

# FOLIO

UNIVERSITY OF ALBERTA  
12 MARCH 1993



## INSIDE

- Richard Lipsey: Out with the old economic regime, in with the new
- Workshop on direct mail fundraising well received

## University committed to working with government to meet financial challenges

*Province reminded that U of A's capital needs are pressing*

The University of Alberta is committed to working with the provincial government to meet the challenges we must face together for the future benefit and education of all Albertans, Bill Grace, Vice-Chair of the Board of Governors, said last week.

Responding to the government's announcement that postsecondary institutions, municipalities, hospitals and schools would not receive a grant increase for fiscal year 1993-94, Grace said, "The University appreciates and understands the difficult situation that the provincial deficit creates for all Albertans.

"In an effort to accept our share of responsibility, the University of Alberta has been working hard. For the past several years, we have been restructuring our programs, improving and streamlining our services and achieving cost savings. This effort will continue."

Grace, however, reminded the government that the University's capital funding needs are pressing. "This concern is based on the size and the age of our institution and its buildings and equipment. Much of our teaching equipment

needs replacing and the list of needed repairs to our buildings has grown dangerously long since 1986-87, when our capital grant was cut in half."

There's never been a more important time for postsecondary institutions to rethink the ways in which they organize themselves to meet Albertans' postsecondary education needs, he said. "We believe that there is an increasing need for Alberta's universities and colleges to work together more formally to face the challenges ahead.

Grace did not rule out the prospect of continuing government restraint. "In addition, our longer range strategic planning process is under way and we will be considering our options based on the anticipation that funding will be further restricted in the coming years."

Vice-President (Finance and Administration) Glenn Harris said the announcement hasn't forced the University to rethink drastically the budgeting for the coming year.

"We're not saying zero percent is wonderful. It is, however, one of the better outcomes

we could have expected in light of the expectations that were set for us. All of our budget planning to date was on the basis that the government grant would be between zero and minus two percent," he explained.

The University is preparing its operating and capital budgets now and will place them in the University's committee system later this month, Harris outlined. "Our hope is that we will be able to get a consolidated budget to the Board for its meeting in the beginning of May."

The capital side of the budget remains uncertain. The University expects the provincial government to announce the capital grant in late April. "But," advises Harris, "keep in mind that even on the operating side we have to build in some contingencies because we have to make assumptions about salary settlements. So, the uncertainties aren't new, but it's the first time we will have constructed a capital budget without knowing what the capital grants announcement is. But we feel the need to develop one anyway."

## Xerox's gain is U of A's loss; Monica Beltrametti resigning



Monica Beltrametti and her husband, Martin, finally have jobs in the same city. Unfortunately for the University of Alberta, that city is Grenoble, France.

Dr Beltrametti, Director of Computing and Network Services, is resigning from her

position at the University to take a position with Xerox. She leaves at the end of June.

Dr Beltrametti assumed the directorship 1 April 1991, taking over from Ken Porteous. She was the director of Software Development with the Myrias Research Corporation before coming to the University.

Dr Beltrametti oversaw profound changes within CNS. During her directorship, the unit established a strategic plan, reorganized internally and began the installation of a new, high-speed campus computing network.

Dr Beltrametti was not actively seeking the job; Xerox pulled her 1991 résumé and asked her to head up a new research centre it was establishing in Europe. Her husband has accepted a transfer within a company he was working for in Minneapolis.

## Biomira Chairholder will bring more clout to fight against cancer

The Biomira Chair in Immunoconjugates, established at the University of Alberta earlier this week, is regarded as a cornerstone for the creation of a research program to develop biotechnological drugs for cancer diagnosis and therapy.

The Chairholder, who will likely be appointed by 1 July of this year, will seek to develop the pharmaceutical component of highly specific monoclonal antibodies, which are used in the detection and treatment of cancer. Research conducted by the Biomira Chair professor is intended to lead to the discovery and production of new biopharmaceuticals.

The Chair, which is made possible by Biomira's gift under the University-Industry Research Chair program sponsored by the Medical Research Council (MRC), will complement the Faculty of Pharmacy and Pharmaceutical Sciences' pharmaceutical biotechnology initiative.

Biomira's initial commitment is to provide \$250,000 to the University of Alberta over a five-year period, with provision to renew for a further five years and an additional \$250,000.

Speaking at the dedication of the Biomira Chair in Immunoconjugates, Alex McPherson, president and CEO of Biomira, said, "When the University and Biomira are joined in this venture by the Alberta Cancer Board, mainly through the Cross Cancer Institute, the effect is super synergy and super success, particularly for people with cancer."

University of Alberta President Paul Davenport reminded the gathering that the founding of Biomira was based on the scientific discoveries of two University professors, Tony Noujaim (Pharmacy) and Michael Longenecker (Immunology). "It began with cooperation between two disciplines in two Faculties and has resulted in a significant cooperation between the University and industry. We believe that interdisciplinary work and partnerships with industry will both play an increasingly important role in research at the University."

The holder of the Biomira Chair in Immunoconjugates will devote not less than 75 percent of his/her time to research and will contribute to undergraduate courses designed to prepare pharmacists for dealing with new diagnostic and therapeutic drugs.

The Faculty of Pharmacy and Pharmaceutical Sciences will accommodate the Chairholder and provide infrastructure support.

The University will request approval of a Faculty-nominated candidate from MRC, under the MRC University-Industry Research Chair program, and seek additional support from MRC and Biomira through the University-Industry Operating Grants Program to consolidate funding for the Chair.

Biomira will have exclusive rights to all patentable technology resulting from this research.

## Whopping enrollment pressures predicted Demand for places for full-time students at Alberta universities could reach 86,000 by 2005

Advanced Education and Career Development's crystal ball is spinning on its axis.

In a discussion paper titled "High School Graduates and Enrolment Demand to the Year 2005," the (then) Alberta Advanced Education Strategic Options Task Force projects full-time university enrollments province-wide reaching 86,000 by 2005. This would be a growth of 80 percent from the 1991-92 level of 48,000.

"The impact on [postsecondary education] institutions due to demand from high school graduates will increase in importance due to the aging of the echo baby boom," the paper states.

The task force assumes that society will continue to correlate postsecondary education with upward mobility and quality of life. Another factor is that a recessionary economic climate heightens the participation rate in postsecondary education. More young people defer their entry into the workforce and more former students want to return to postsecondary institutions for upgrading, retooling or continuing education.

Considering the demand for places and the fact that universities remain on hold-the-line budgets and must of necessity reduce the scope of some programs and eliminate others, University of Alberta Registrar Brian Silzer predicts a serious escalation of the demand/access debate. Government has set out three scenarios (see page 4), with even the "baseline scenario" forecasting a strong demand for places in the postsecondary system, Silzer says in a paper he wrote for the University's Strategic Planning Task Force.

"One might quibble with the assumptions and the resulting projections, however, what seems unavoidable is the need for our society to contend with the question of how a higher proportion of the high school leaving population will receive postsecondary—particularly, university level or degree—preparation in the future."

Saying that the demand projections are "staggering in their implications for heightened expectations for the postsecondary system in this province," Silzer adds that the pressure can only be intensified by the need to accommodate constituencies other than the traditional high school leaving population that the task force contemplates.

"The projections are almost without bounds when consideration is given to:

- students in outlying communities who seek local provision of university programming;
- people in proximity to existing campuses, who would like to access university-level offerings at atypical times (weekends, evenings);

*Continued on page 4*

# Students' Union stepping up pressure for income-contingent loan scheme

## Board of Governors working with SU to bolster support

Support for an income-contingent student loan repayment scheme is growing, says Students' Union President Randy Boissonnault.

Student organizations across the country, the University of Alberta Senate, the Council of Ontario Universities, the Commission of Inquiry on Canadian University Education (chaired by Stuart Smith in 1990), the Ontario Government and the Canadian Bankers' Association have all thrown their support behind such a system, Boissonnault stated at the Board of Governors' meeting last Friday.

The Board endorsed the proposal and directed the University to inform the premier and cabinet minister about its decision.

"With reduced resources and a greater demand on the student loans system, governments, students and institutions need to find

creative solutions to achieve our mutual goals of training an educated workforce," Boissonnault outlines in a brief on student loan reform for the provincial government.

"The income-contingent loans system is one such creative solution. The savings to the government and the banking industry in terms of lower defaults and increased efficiency, coupled with the benefits realized by students and the education system, make this initiative one whose time has come."

Board Finance Committee Chair Bill Grace said the process to have the proposal considered is well under way and in line with what the University Senate Task Force on Student Finance recommended recently.

Predicting that tuition fees would continue to rise at unprecedented rates, Boissonnault said action must be taken to maintain financial accessibility to postsecondary education. A loans system similar to the one proposed by Dr Smith would be a good model, Boissonnault

indicated. (That model recommended that students pay back their loans based on the graduate's ability to pay.)

According to a recent Angus Reid poll conducted for the Association of Universities and Colleges of Canada, three-quarters of the respondents support the idea of students paying tuition fees; 42 percent believe that students should pay half of the costs of their education through tuition fees. Seventy-one percent agree that students who find a well-paying job should pay their student loans more quickly after they leave university than those who have low-paying jobs.

"The poll seems to indicate that it is time to review how we look at student assistance," AUCC President Claude Lajeunesse said last week. "AUCC has been pushing hard for changes to the Canada Student Loans Program and is currently examining the feasibility of income contingent repayment student loan plans."

## SELECTION COMMITTEES FOR DEANS

Selection Committees for Deans are being established for the Faculties of Dentistry, Engineering, Medicine, and Pharmacy and Pharmaceutical Sciences.

The GFC Nominating Committee requires for each of these committees *one academic staff representative from Category A1.0, from outside the Faculty concerned, elected by General Faculties Council*. For Category definitions, see Section 5 of the GFC Policy Manual. In brief, Category A1.0 includes full- and part-time continuing academic staff. If you have any questions regarding Categories of Staff and/or eligibility to serve on these committees, contact Ms V Pemberton-Pigott, Coordinator, GFC Nominating Committee, 2-5 University Hall, telephone 492-1938.

If you wish to submit a nomination, please forward a letter of nomination and a brief résumé to Ms Pemberton-Pigott at the above-noted address by 31 March 1993.

## Presidential Review Committee holds first meeting

The Presidential Review Committee, under the chairmanship of Stan Milner, Chair of the Board of Governors, held its first meeting on 26 February. The following people serve on the committee: Bill Grace and Al Hiebert, both from the Board of Governors; Chancellor Sandy Mactaggart, who acts as Vice-Chair; Steven Karp, Graduate Students' Association; Randy Boissonnault and Mark Ewanishin, Students' Union; Grant Smith, Alumni Affairs; John Bertie, Michael Asch and Susan McDaniel, academic staff elected by GFC; Fred Otto, elected by Deans' Council; Gene Lechelt, elected by Chairs' Council; Rod Wilson, AAS:UA; Elizabeth Armitage, NASA;

and John Hanlon, Senate. Paul Robison is Committee Secretary.

The selection or review of a President is the Board of Governors' most important function. The committee, which will be meeting often, welcomes submissions from members of the University community. These should be in writing and signed, and should be delivered to: Review Committee Secretary, c/o Board of Governors Office, 3-31 University Hall.

All submissions will be treated in strict confidence.

President Paul Davenport's first term of office expires 1 July 1994.

## Record number of U of A athletes compete at nationals

A record number of athletes represented the University of Alberta at the Canadian Intercollegiate Track and Field Championships, held earlier this week in Toronto.

According to track and field head coach Marek Glowacki, an unprecedented 106 athletes tried out for the team in September. Sixty-five are still active and 40 are on the team. "Interest was higher than ever."

The contingent of 27 athletes (17 men, 10 women) who went to the nationals is flying high, says Glowacki, and many of the athletes are fresh from setting personal and team records at the recent Canada West Championships.

Physiotherapy student Jonathon Moyle, the first-place long jumper in Canada West, says there are three reasons for the team's outstanding successes: the simultaneous arrival of a lot of good athletes, Glowacki's coaching, and the team's incredible spirit. That spirit has been tested this year.

One of the top athletes, 300-metre runner Abi Spencer-Isaac, pulled a hamstring and missed the Canada West Championships and then Oral O'Gilvie admitted that he had taken performance enhancing drugs on the eve of the Canada West meet. "The team members had something to prove since they were missing two top athletes," says Glowacki, who says he still hasn't gotten over O'Gilvie's admission.

Moyle says initially team members were shocked over the O'Gilvie revelation, but "we



Six-hundred metre runners Rosemary Ball (wearing number 495) and Barb Stewart (499) are two of 10 women from the U of A who earned the right to compete in the nationals.

pulled together and knew that we had to work that much harder."

Rosemary Ball, who placed first in the 600 metres at Canada West, says she too was disappointed, but it made team members realize that there's more to the team than just the superstars and that as a team they were exceptionally strong.

The fact that there are so many good athletes on the team, pushes everyone to excel, she says. Then, too, many of the athletes are keenly aware that the world track and field championships were to follow the CIAU championships at SkyDome. Many of the team members have stayed on to watch that competition this weekend.

## ANR RESEARCH TRUST FUND

The AIDS Network Relief Research Trust Fund has available grants up to \$5,000 for research projects related to HIV infection and AIDS related matters. The projects must be designed to produce publishable results, and may be part of a larger project. Deadline for applications will be 1 October. Application forms may be obtained from Dr RL Collins-Nakai, Chair of the ANR Research Trust Fund Committee, Faculty of Medicine, 2J2.00 Walter Mackenzie Health Sciences Centre, telephone 492-6621.

## CURRENTS

### Canadian Business Leadership Dinner

On 23 March, the Faculty of Business will present its Canadian Business Leader Award to Robert Stollery, chairman of PCL Constructors Inc. The occasion is the Canadian Business Leadership Dinner at the Westin Hotel (cocktails 5:45 pm, dinner 6:45 pm). For tickets and further information on the event, call Sheryl Magyar, 492-7996.

### Library system booksale

Location: Cameron Library (main floor).  
Date: 24 March. Time: 9 am to 4:30 pm.

### Managing information

The Information Explosion: Managing the Fallout is this year's theme at the School of Library and Information Studies 7th annual Professional Development Day (26 March). The program will include a panel of practitioners and student research presentations. Professional Development Day will be held in the Bibliography Room of the Humanities and Social Sciences Library at 10 am with a reception to follow at 4:30 pm. For further details, call Susan Buss at 492-4578.

### Helen Biltek retirement reception

In honour of Helen Biltek's 28 years of dedicated service to the University of Alberta, 22 in the Department of Physics, a wine and cheese reception will be held Friday, 2 April, from 3 to 6 pm at the Faculty Club. The Department of Physics invites all her friends and colleagues to attend and wish her well in her retirement.

In lieu of a gift, a donation may be made to the Helen Biltek Scholarship Fund, c/o Department of Physics, P412 Avadh Bhatia Physics Lab.

### Information session for APOs

Topic: "Continuous Improvement - The Service Community's Challenge." Date: 29 March. Time: 11 am to 12:30 pm. Location: Council Chamber, 2nd Floor, University Hall. Presenter: Glenn Harris, Vice-President (Finance and Administration). Registration: There is no registration fee, but interested persons are asked to register by 22 March (call 492-4588).

Note: On behalf of the President's Executive Committee, Glenn Harris spearheads the Service Initiative, a new broadly based program of continuous improvement for all staff, units, systems and processes that constitute the service functions of the University of Alberta.

## FOLIO

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Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.

### DEADLINES:

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Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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University  
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# Engineering celebrates success

Centre Stage, Myer Horowitz Theatre, was a busy spot Wednesday evening. At the Faculty of Engineering's 3rd Annual Scholarship and Awards Ceremony, as many as 114 awards were presented to 315 students. The

## Freeman achieves international honour

Later this month, Shauna Freeman will be recognized as the best in her field in all of North America. Freeman is a co-op engineering student at the University of Alberta, at least until 1 June when she starts to work full-time for Chevron Canada Resources as a production engineer.

Freeman will be in Newport, Rhode Island, 21 to 23 March to receive the Cooperative Education Association and the American Society of Engineering Education award for the Co-op student employed in North America in 1992.

The Award is given for achievements on the job and at school, and for contributions made to the employer, the community and cooperative education.

While working recently with Hunter Exploration in Calgary, Freeman's work on one project resulted in a cost saving of \$1 million and on another project a saving of \$40,000.

The petroleum engineering student was nominated for the award by her Hunter Exploration supervisor Barry Olsen. Olsen's nomination cited her initiative, motivation, enthusiasm and organizational skills as critical factors leading to her success.

It is Freeman's success both on the job and at school that has netted her this international recognition.

She is currently Vice-President of the student chapter of the Society of Petroleum Engineers, past Chair of the Co-op Students' Advisory Council, and the Co-op representative for the Engineering Students' Society and Mineral Engineering Club. Her volunteer activities include high school visits and lecturing at the U of A's Summer Youth University.

Freeman came to the University of Alberta from Langley, B.C. Her mother, Irene, is a graduate of the Faculty of Education, and her father, Duane, is a graduate of NAIT. Her brother Darren will soon graduate from Simon Fraser University in Computer Engineering.

Earlier this month, Freeman received three awards at the U of A's Faculty of Engineering Awards and Scholarship Ceremony: the Amoco Canada Undergraduate Scholarship in Engineering; the Russel Jordan Memorial Scholarship in Petroleum Engineering and the coveted Faculty of Engineering Achievement Award.

Freeman was born in Alberta and says she is looking forward to working in Alberta after she graduates this spring.

total value of the new and renewed awards this year is \$1.3 million.

More than 1,000 students, faculty, parents, guests, donors, and dignitaries attended the event hosted by Dean Fred Otto.

In welcoming people and bringing greetings from President Paul Davenport, John McConnell, Vice-President (Development and Community Affairs), said, "I would encourage more Faculties on campus to follow the lead of Engineering."

Dean Otto made special mention of the "pride in the leadership shown by students in the Faculty during the past year." As examples of such leadership, he cited Discover Engineering, The Hybrid Electric Vehicle Project, The Great Northern Concrete Toboggan Race and the hosting of the Canadian Engineering Design Competition in 1995.

Almost 100 donors and donor representatives were on hand to make the scholarship and award presentations to the students.

The Dean spent his presentation time welcoming guests, congratulating students, thanking donors and addressing two other special events.

He presented the Faculty of Engineering Achievement Award to Shauna Freeman. Freeman is the first Canadian student to win the prestigious Cooperative Education Association and the American Society of Engineering Education Cooperative Education Student of the Year Award.

She will be presented with the 1992 honour later this month in Newport, Rhode Island, for her efforts in saving Hunter Exploration \$1 million while working there as a co-op student. She also receives the award for her outstanding leadership demonstrated in encouraging young women to consider careers in science, engineering and technology.

At the closing event of the evening, Dean Otto accepted a cheque of \$137,000 from the Coal Mining Research Company for the pur-



Engineering Dean Fred Otto acknowledges the funding from the Coal Mining Research Company. Sharing the stage with him are, left to right, Ken Barron, Chair of Mining, Metallurgical and Petroleum Engineering; Ray Chopiuk, the Company's President; and Michael Day, Assistant Deputy Minister of Alberta Energy.

pose of endowing a scholarship to conduct coal research.

The size of this year's ceremony is the largest to date both in terms of the number of the awards and the number of award recipients.

## Athletics trimming its budget; marketing director position let go



Dale Schulha, Chair of Athletics

The Department of Athletics is trimming its 1993-94 budget.

All nonconference travel has been eliminated from the budgets of interuniversity athletic teams, Department Chair Dale Schulha announced last week.

Athletics has also decided to increase some fees for campus recreation programs and eliminate some programs. As of 1 April 1993, the department will no longer have a marketing director position. Marketing within the department will be done with existing resources.

"As a result of a need to decrease operating expenses for 1993-94, the department has had to review its program budgets," said Schulha. "This situation has resulted from cumulative underfunding and significantly increased costs."

The Department of Athletics has consistently increased its self-generated revenue to the point that non-University revenue sources now contribute more than the department receives in direct funds from the University. Schulha told his Department Council recently that, "Administrators and coaches will have to raise more dollars to fund nonconference travel."

"It came down to the loss of the management position or the loss of programs, and we chose the management position."

"We need public support now more than ever. Projects such as the annual Sports Wall of Fame Dinner and Adopt-An-Athlete need to continue to be successful, and alumni and corporate support is critical."

## Faculties eager to learn about direct mail fundraising appeals

### Workshop conducted by Development Office first of its kind at U of A

Many people across the campus were asking the Development Office the same kinds of questions, so the Office decided to conduct a workshop that would help answer those questions, Director Meg Clarke told more than 50 workshop registrants last week.

The 1993 annual fund direct mail workshop had four objectives, Clarke said. First, to prepare Faculties, and other units, to solicit annually alumni and/or friends, and, second, to provide assistance to Faculties and units which have previously solicited alumni and/or friends to increase the response rate of their appeals.

Third, we wanted to generate discussion and share fundraising experiences, Clarke said. Fourth, the workshop was designed to help staff members avoid the pitfalls which can hamper the success of appeals.

She said it was important as well for workshop participants to stop thinking so much about the needs of the University in favour of forming an appreciation of what potential donors and alumni want from the University.

"What can we offer them that will develop long-term relationships? They may start to give modest amounts of money to the annual fund, but as the relationship grows, so does the level of giving."

Shannon Zwicker, the Development Office's McConnell Fellow, explained that direct mail as a fundraising tool is used to: acquire new donors, renew and upgrade the gifts of

past donors, solicit gifts from current donors for special appeals and identify planned giving prospects.

Direct mail, one of the components of the University's annual fund, provides dependable, renewable income, broadens the individual donor base and builds the base of the "donor pyramid", she pointed out. Once donors are in the pyramid, the potential exists that they will give more money, and they can be moved up the pyramid. Typically, about two percent respond to direct mail, she said. But remember, a lot of people don't give because they simply haven't been asked to give.

Workshop participants, many of whom will be involved in an annual solicitation during 1993, were told that the more personal the message conveyed in the letter, the more effective a direct mail campaign will be. This is why the Development Office is inviting individual Faculties to participate in the direct mail component of the annual fund this year. By having faculty approach our alumni, we are able to personalize the message we are sending, Zwicker explained.

Workshop topics included: building a case for support; goal setting and expectations; elements of design and components of a direct mail package; and the roles various players assume.

## Deadlines for paying fees moved back

### Governors respond to concerns of students, parents

The University is making it more convenient for students and parents to pay fees.

The Board of Governors last Friday endorsed a proposal to move the last day for paying term one fees without penalty to the last working (banking) day of September. The last day for paying term two fees without penalty will be moved to the last working (banking) day of January.

The changes are in response to concerns raised by parents and students who have pointed out that many people are not paid until the end of each month. This year the

deadline for paying term one fees was 25 September. Late charges are added to fees.

One mother in Spruce Grove, V Lischewski, wrote to the University last September, suggesting that the University change the deadlines. The late fee she had to pay for her daughter's registration could have been avoided if the deadline was 30 September, she explained. Moreover, last September a number of graduate students had to pay their fees before their September pay cheques had arrived, and were assessed late penalties.

Photo Services



Shaun Freeman, the recipient of the Russel Jordan Memorial Scholarship in Petroleum Engineering, with Jean and Bob Jordan.

# Change rampant as 'techno-economic paradigm' makes inroads

Richard Lipsey addresses Alberta Symposium 1993 of Fellows of the Royal Society of Canada



Richard Lipsey, Alcan Fellow of the Canadian Institute for Advanced Research, is directing a large-scale, international research project on economic growth and policy.

Comparing the profound economic changes happening today to the age of steam and the early days of the assembly line manufacturing process, Richard Lipsey says

the new age is characterized by supra-national organizations, knowledge intensive industries and near-instantaneous communications.

The new "techno-economic paradigm" is replacing an old economic regime that simply won't work in today's world, said Dr Lipsey, one of Canada's foremost economists. His address capped a day-long program held 5 March to mark the first ever Alberta Symposium of Fellows of the Royal Society.

"A study of the past indicates that as this new techno-economic paradigm replaces the old paradigm, almost everything else has to change as well," said Dr Lipsey, the author of more than 100 articles and books, and several standard economics texts used in universities across the country.

Hierarchical businesses are now being replaced by semi-autonomous units loosely associated with one another, regulations based on the old paradigm are proving to be inappropriate and educational needs are changing, he explained. Governments attempt to hold off the inevitable changes during the transition period from one paradigm to the next and fail—and often those same governments carry the debts of the old paradigm into the new paradigm.

"Business failures are endemic during these transition periods; often firms simply can't make the transition."

Dr Lipsey was described by President Paul Davenport in his introductory remarks as an economist who has made a marvellous contribution to Canadian public policy debates and to the field of economics.

Dr Lipsey had a warning for Canadians: "We have to make sure that people do have skills and training that are suitable to this new paradigm. If we insist on turning out, as we are now, 30 percent of the work force that is unskilled, illiterate and innumerate ... they will be reduced to the status of citizens of less-developed countries."

He added that the educational system will have to be reformed to provide necessary skills for workers—particularly for those who don't go on to universities.

The Alcan Fellow of the Canadian Institute for Advanced Research and Simon Fraser University economics professor said that if the next paradigm change unfolds in a manner similar to previous changes, "we may be able to look forward to a secular boom in the first two decades of the 21st century." That will be preceded by this current unsettled transition period.

## Enrollment *Continued from page 1*

- the desires of those beyond our provincial boundaries to access our educational offerings (other Canadian and international students);

- greater inclusion of underrepresented groups; and,
- graduates seeking continuing education."

From 1980 through 1989, the Alberta postsecondary system added about 45,000 full-time equivalent students, an expansion that government compares with "adding a university, a technical institute, a public college and a vocational college similar in stature to those now in Edmonton."

The government task force indicates that the role of education in economic competitiveness has never been more important. It is less certain about the kinds of educational offerings that will be required, as it implies that four-year university degrees may be too much education, or a kind of preparation different from that which is required in the workplace.

Silzer notes that demand is driven in part by public attitudes about the value of university or career vocational and technology programs. "The public is sensitive to manpower demand indicators such as the number of unemployed holders of degrees or the perceived satisfaction of employers regarding the preparation of graduates. A major shift in public attitudes regarding the relevance of higher education could leave certain kinds of institutions wanting for students.

"Projections of demand may tend to assume in error that the delivery of instruction will continue to be accommodated by conventional means i.e., the traditional residential institution. Technological advances such as interactive video-conferencing over a network may alter patterns of participation substantially. Students of the future may become more self-reliant in their acquisition of skills and training. Employers may encourage this tendency."

Using actual 1991 numbers of high school graduates (22,200) and postsecondary entrants (13,500) as the starting point, the three scenarios for 2005 are as follows:

### Projected Numbers:

	Projected No. of High School Graduates	Seeking to Enter Degree Program	Seeking to Enter a College or Other Program
Baseline Scenario (1)	30,500	9,000	9,500
High Growth (2)	36,000	11,000	20,000
High Growth, Modified (3)	36,000	15,000	16,000

- 1) The number of high school graduates increases to 30,500. The proportion of young people graduating from high school and seeking to enter postsecondary education remains the same as those who entered in 1991 (i.e., 61 percent). The same proportion (i.e., 60 percent) of 1991 high school graduates eligible for university elected to go to degree study rather than to college or other activities.
- 2) There are an additional 5,500 high school graduates in 2005 as it is assumed that the number of young people completing high school increases. Also, the proportion of high school graduates interested in postsecondary education increases.
- 3) The proportion of young people completing high school and seeking to enter postsecondary education is the same as in scenario two. More high school graduates eligible for university seek to enter degree study rather than applying to a college program.

## Advanced Education restructuring; now called Advanced Education and Career Development

Alberta Advanced Education has a new look.

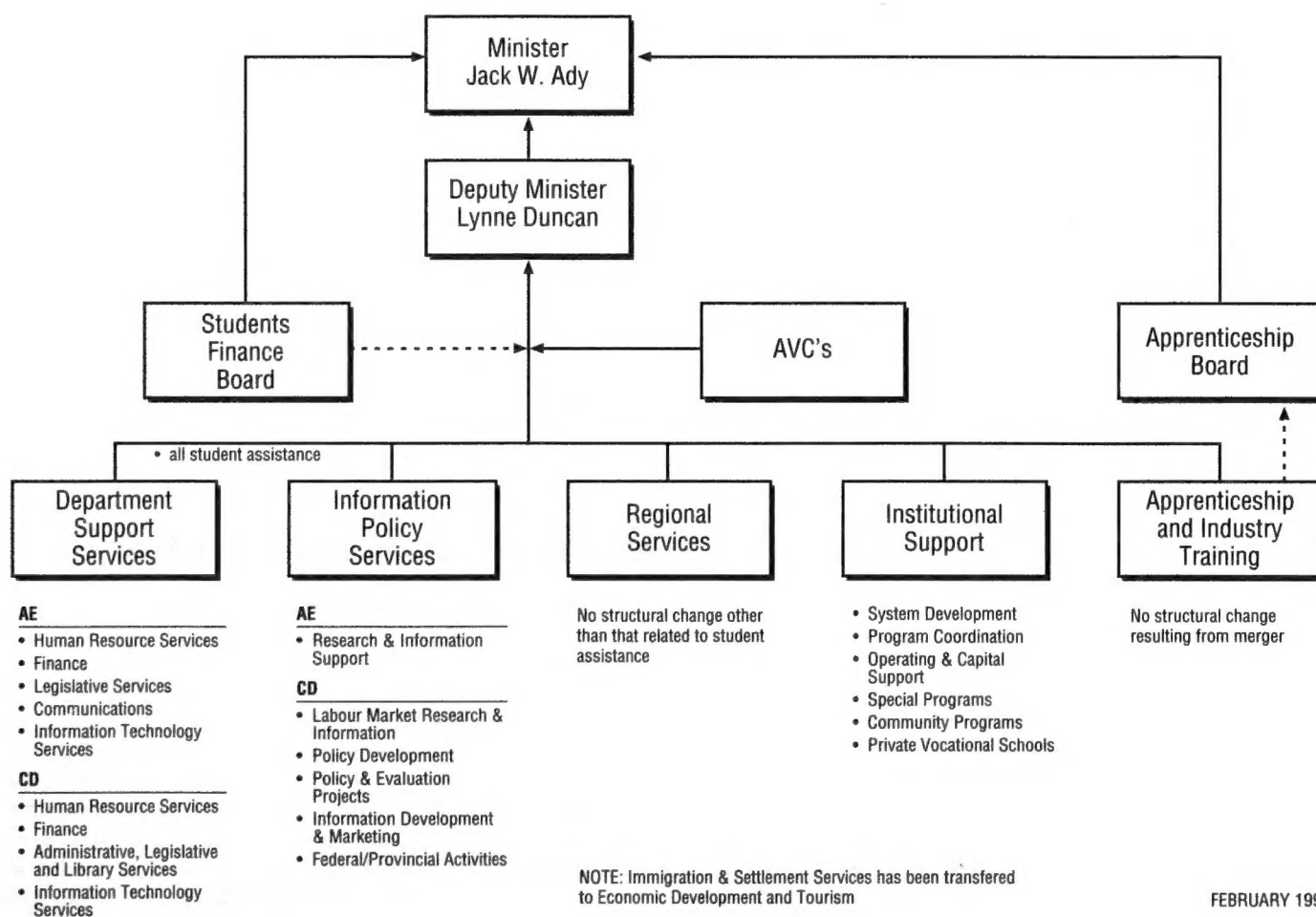
"Over the months ahead, we intend to develop an organization that is truly mission-driven," says Deputy Minister Lynne Duncan.

"The next step for each division [in the department] is to rationalize the branches assigned to it. This reorganization will complete stage one of the process," Duncan said recently.

The provincial government, as part of its efforts to streamline itself, included career development in the new department, now called Advanced Education and Career Development.

"Stage two will be to build on public consultations with stakeholders about the private sector role in labour market training and new directions for adult learning. This will take some time."

Chief Executive Officer of the Students' Finance Board is Fred Hemingway; Executive Director of Apprenticeship and Industry Training is Earl Mansfield; Assistant Deputy Minister of Regional Services is Ried Zittlau; Assistant Deputy Minister of Department Support Services is Peter Schmidt; Assistant Deputy Minister of Institutional Support is Neil Henry; and Assistant Deputy Minister of Information and Policy Services is Lois Hawkins.



## Horst Juergen Helle: Distinguished Visitor

Horst Juergen Helle, Professor and Chair of the Institute for Sociology at Universitaet Muenchen, Germany, is a Distinguished Visitor at the University of Alberta. A guest of the Department of Sociology, he arrived on campus 7 March and will be here until 26 March.

Professor Helle is a leading authority in Europe on family, religion, and interpretive sociology. During his stay at the University of Alberta, he will deliver several lectures on current issues and topics of sociological interest. One of these lectures is a public lecture, set for 17 March at noon in the Tory Breeze-way. The topic is "Theory Construction in Sociology of the Family."

Professor Helle has been a Visiting Professor at several universities in the United States and Switzerland. In 1984, he was a Killam Visiting Scholar at the University of Calgary.

Under the auspices of the International Sociological Association he has co-edited (with Shmuel N Eisenstadt) two volumes on macro and micro perspectives of sociology.

Professor Helle's is based in T6-14 Tory Building, telephone 492-7579.

## Nettler Lecturer to examine crime prevention programs

Joan McCord, of Temple University, will present the annual Nettler Lecture on 18 March (7:30 pm, 1-93 Tory Building). The title of Dr McCord's talk is "Evaluating Crime Prevention: Constructing Win/Win Propositions."

Dr McCord is the first woman to be elected president of the American Society of Criminology. Her research and publications in criminology are wide-ranging, but probably her best known work is that connected with the Cambridge-Somerville Youth Study.

Most studies of delinquency prevention programs are hampered in a variety of ways, says Jim Hackler (Sociology). "Usually there is no adequate control group that can be used as a comparison to the juveniles who received the 'treatment.' In addition, we rarely have a long-term followup to know what happened to these people later in life. The Cambridge-Somerville Youth Study is unique in that these youthful delinquency prone youngsters were followed by the researchers into middle age."

Dr Hackler says that in her talk on the 18th, the audience will learn that "Joan McCord has not given up on helping troubled and troublesome youngsters," and that "the evaluation of crime prevention programs is neither easy or obvious."

### MAKE LEARNED SOCIETIES BOOKINGS AS SOON AS POSSIBLE

Because of the Progressive Conservative Party's decision to hold its leadership convention in Ottawa in early June, it is essential that all faculty members wishing to attend the 1993 Learned Societies Conference at Carleton University book their hotel reservations and airline flights as soon as possible. This is particularly true of societies meeting between 9 and 13 June. Reservations can be made by calling (toll-free) 1-800-267-9676.

### ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

16 March, 4 pm

Richard W Wozniak, Howard Hughes Medical Institute, Rockefeller University, "Molecular Organization of the Nuclear Pore." 5-10 Medical Sciences Building.

17 March, noon

John Lee, University of Georgia, Athens, Georgia, "Lumazine Protein: Fluorescence Dynamics and Photobiological Function." 4-70 Medical Sciences Building.

18 March, 12:30 pm

Carlos Faerman, Biotechnology Research Institute, National Research Council of Canada, "Electrostatic Properties of Acetylcholinesterase." 2-27 Medical Sciences Building.

19 March, 3:30 pm

John Cashman, IGEN Research Institute, Seattle, Washington, "Flavin-containing Monooxygenases in Human Beings." 207 Heritage Medical Research Centre.

30 March, 4 pm

Ursula Stochaj, Princeton University, "Protein Import into the Nucleus." 5-10 Medical Sciences Building.

### ANTHROPOLOGY

12 March, 3 pm

RS Vasil'evskii, Russian Academy of Science, Novosibirsk, "Issues in Siberian Archaeology." T14-6 Tory Building.

### BIOCHEMISTRY

30 March, 2 pm

Richard N Perhmam, Head, Department of Biochemistry, University of Cambridge, "Molecular Lego with Enzymes: Design and Redesign of Specificity and Assembly." Bernard Snell Hall, Mackenzie Health Sciences Centre.

### BIOETHICS

16 March, 12:30 pm

Bartha M Knoppers, Université de Montréal law professor, "New Reproductive Technologies: Promise or Challenge?" Classroom D, 2F1.04 Mackenzie Health Sciences Centre.

### BOTANY

18 March, 3:30 pm

Kathy Richardson, "Costa Rican Orchids and Their Fungi: Getting to the Root of the Matter." M-149 Biological Sciences Centre.

25 March, 3:30 pm

Atanu Basu, "Endogenous Substrates of Calcium Dependent Protein Kinase from Soybean." M-149 Biological Sciences Centre.

### CAMPUS MINISTRY

23 March, 7:30 pm

Fr. Wilfred Canning, "Social Teaching and Faith." St Joseph's College.

### CANADIAN INSTITUTE OF UKRAINIAN STUDIES

18 March, 3 pm

Peter Rolland, "Reading Seventeenth Century Mail: Symeon Poloc'kyj and his Correspondence." 352 Athabasca Hall.

25 March, 7:30 pm

Ehor Gauk, John Akabuto, David Reid, Ivanna Tataryn, "The Chernobyl Children's Project: A Slide Presentation." B 45 Tory Building.

### CENTRE FOR INTERNATIONAL BUSINESS STUDIES

16 March, 3:30 pm

Edward P Neufeld, executive vice-president, Economic and Corporate Affairs, Royal Bank of Canada, "Regional Trading Blocs and NAFTA." Saskatchewan Room, Faculty Club. Seating limited, registration required, 492-2235.

# TALKS



### CHEMICAL ENGINEERING

18 March, 3 pm

J Chakravarty, "Characterization of Polyolefins by Temperature Rising Elution Fractionation (TREF)." 342 Chemical-Mineral Engineering Building.

25 March, 3:30 pm

U Sundararaj, University of Minnesota, "Morphology Development During Polymer Blending." 342 Chemical-Mineral Engineering Building.

### COMPARATIVE LITERATURE AND FILM STUDIES

16 March, 3:30 pm

Cathy Steblyk, "Simone de Beauvoir was Wrong about the Tale of Genji." Senate Chamber, Arts Building.

30 March, 3:30 pm

Sarah Maier, "'George Egerton': Neurotic or New Woman?" Senate Chamber, Arts Building.

### COMPUTING SCIENCE

19 March, 3:30 pm

Hausi A Muller, University of Victoria, "Understanding Software Systems Using Reverse Engineering Technology." 619 General Services Building.

### DENTISTRY

20 March, 8:30 am

Stanley F Malamed, University of Southern California, "The Renaissance in Local Anesthesia." Edmonton Convention Centre. Registration, 8 am. Fee.

27 March, 8:30 am

Irene R Woodall, Redwood City, California, "Controversies in Periodontics: Integrating New Research Findings into Clinical Practice." Edmonton Convention Centre. Registration, 8 am. Fee.

### EAST ASIAN LANGUAGES AND LITERATURES

18 March, 12:30 pm

H Lin, "Masterpiece Paintings in the National Museum." 141 Arts Building.

19 March, noon

Wei-tsu Fan, "Traveling China Through Music—An Appreciation of Chinese Classical Music." 2-34 Fine Arts Building.

### EDUCATIONAL PSYCHOLOGY

16 March, 7:30 pm

G Fitzsimmons, "Attention Disorders and Hyperactivity: A New Alternative with Neurofeedback." 176 Education South.

### EIGHTEENTH-CENTURY STUDIES GROUP

24 March, 4 pm

Karys van de Pitte, "Courtship Conventions in the Eighteenth-Century Novel: From Cecilia, Camilla, and Belinda to Persuasion." Senate Chamber, Arts Building.

### ENGLISH

15 March, noon

Norman Feltes, York University, "Literacy, the Literary Text, and the End of History." L-3 Humanities Centre.

17 March, 2 pm

Teresa Brennan, Distinguished Visitor, "Creativity and the Death of the Author." L-3 Humanities Centre.

19 March, 2 pm

Teresa Brennan, "A New Psychoanalytic Line on History." L-3 Humanities Centre.

22 March, 4 pm

Teresa Brennan, "A Foundational Fantasy?" L-3 Humanities Centre.

24 March, 4 pm

Teresa Brennan, "The Labour Theory of Value Without the Subject/Object Distinction." L-3 Humanities Centre.

25 March, 4 pm

Teresa Brennan, "Ethics and Modernity." L-3 Humanities Centre.

### ENTOMOLOGY

18 March, 4 pm

Ed Fuller, "A Generic Reclassification of the Tribes Elaterini and (pomachiliini Coleoptera: Elateridae)." TB-W1 Tory Breeze-way.

25 March, 4 pm

David W Langor, "Taxonomy, Ecology and Management of Terminal Weevils in the Genus Pissodes (Coleoptera: Curculionidae)." 31 March, 2 pm

Bernard Flury, Department of Mathematics, Indiana University, Bloomington, "An Introduction and Review, with Applications to Morphometric Problems." Beat Meuwenschwander, Department of Mathematics, Indiana University, "Recent Developments, with Applications to Variation in Growth." Christian Peter Klingenberg, "A CPC Model for Growth and Individual Variation in Waterstriders." 2-35 Earth Sciences Building.

### FAMILY STUDIES

23 March, 9:30 am

Njeri Waiyaki, "Reproductive Decision Making Among Kenyan Women: Themes and Changing Patterns." 3-57 Assiniboia Hall.

### FOOD SCIENCE

15 March, 4 pm

William Rattray, "Physico-chemical Modifications of Whey Protein for Production of Fat Substitutes." 1-13 Agriculture-Forestry Centre.

22 March, 4 pm

Nurhan Dunford, "Lipid Extraction With Supercritical Carbon Dioxide." 1-13 Agriculture-Forestry Centre.

29 March, 4 pm

Sandra Nesom-Fleet, "Modified Atmosphere Packaging of Fresh Meats." 1-13 Agriculture-Forestry Centre.

### FOODS AND NUTRITION

17 March, 11 am

Laurie Hoffman-Goetz, University of Waterloo, "The Effects of Nutrition on Exercise, Natural Immunity and Experimental Tumors." Classroom F, Mackenzie Health Sciences Centre.

### FOREST SCIENCE

17 March, noon

Peter Crown and Tim Martin, "The Spatial Information Systems Working Group: A Faculty of Agriculture and Forestry Initiative in Teaching and Research." 4-42 Earth Sciences Building.

### GEOGRAPHY

12 March, 3 pm

Russell Sampson, "Atmospheric Refraction and its Effect on Sunrise and Sunset." 3-36 Tory Building.

15 March, 7:30 pm  
Jim Gower, Institute of Ocean Sciences,  
Sidney, BC, "Satellite Images: Where are we  
After 20 Years?" 3-36 Tory Building.

19 March, 3 pm  
Erhan Erkut, "A Large-scale Distribution  
Problem in the Durable Goods Industry in  
Turkey." 3-36 Tory Building.

26 March, 3 pm  
Ian Campbell, Climatic Change Program,  
Forestry Canada: "Climate, People and Trees:  
The Little Ice Age in Southern Ontario."  
3-36 Tory Building.

#### GERMANIC LANGUAGES

19 March, 3 pm  
Richard Krause, "Sievers' Law, Accentua-  
tion and the Germanic Foot." Senate Chamber,  
Arts Building.

#### HISTORY

15 March, 3 pm  
Mikhail Dmitriev, Moscow State Univer-  
sity, "Russian Christianity on the Eve of and  
After the October, 1917 Revolution." TB-W1  
Tory Breezeway.

17 March, noon  
Chris Hackett, "Pro-cite for the Historian:  
A Demonstration." 1-41 Arts Building.

22 March, 3 pm  
Anna Zalik, "South African Drama as In-  
terpreter of the Post-War Protest Movement."  
2-44 Tory Building.

26 March, 3 pm  
Peter Blanchard, University of Toronto,  
"Dying a Natural Death...The Ending of Slav-  
ery in Latin America." 2-58 Tory Building.

#### HUMAN ECOLOGY: ISSUES IN THE NORTH

16 March, 4 pm  
Kirsti Pedersen, Women's Studies, Physi-  
cal Education and Recreation, and Alberta  
College of Education, Norway, "People, Na-  
ture and Technology: Changing Trends in  
Outdoor Life in North Norway." 231A Law  
Centre.

23 March, 4 pm  
Rick Riewe, "Hunters of the Unicorn:  
Narwhal Hunting in the Eastern High Arctic."  
231A Law Centre.

#### LAW

19 March, 11 am  
Ernest Weinrib, Law, Toronto, "The  
Palsgraf Case - Who Was Right?" 231/237  
Law Centre.

19 March, noon  
Ernest Weinrib, "Understanding Private  
Law." Faculty Lounge, Law Centre.

24 March, 8 pm  
Adama Dieng, Secretary-General of the  
International Commission of Jurists, "The Role  
of Lawyers and Judges on the International  
Stage." 237 Law Centre.

26 March, noon  
John Warwick, Law, Luton, "Law and  
Christian Theology - Why They Need Each  
Other." 237 Law Centre.

#### LAW AND BUSINESS

15 March, noon  
Jacob Ziegel, Law, Toronto, "On the Prin-  
cipal Affair." Faculty Lounge, Law Centre.

16 March, noon  
Jacob Ziegel, "On the Appointment of  
SCC Judges." 237 Law Centre.

#### LIMNOLOGY AND FISHERIES

##### DISCUSSION GROUP

18 March, 12:30 pm  
Paul Dinsmore, "Effects of Hypolimnetic  
Aeration on Benthic Invertebrates in Amisk  
Lake." M-149 Biological Sciences Centre.

25 March, 12:30 pm  
Fred Wrona, NHRI, Saskatoon, "Group  
Formation in Freshwater Invertebrates:

Implications for Population Dynamics and  
Ecotoxicology." M-149 Biological Sciences  
Centre.

#### MUSIC

25 March, 3:30 pm  
Richard Troeger, "Music and Rhetoric."  
2-32 Fine Arts Building.

#### PHYSICS

12 March, 2 pm  
Stuart Jackson, University of British Co-  
lumbia, "Radon: Facts and Fiction." V121  
Physics Building.

29 March, 2 pm  
Pierre Sabatier, Universite Montpellier,  
Sciences et Techniques du Languedoc,  
Montpellier, France, "The Inverse Problem."  
V-129 Physics Building.

30 March, 2 pm  
Dr Sabatier, "Are Existence, Uniqueness,  
and Stability Separate Questions in Inverse  
Problems?" V-129 Physics Building.

31 March, 2 pm  
Dr Sabatier, "Inverse Theory and  
Nonlinear Effects in Wave Propagation."  
V-129 Physics Building.

#### PLANT SCIENCE

16 March, 12:30 pm  
James Gethi, "Factors Affecting Tissue  
Regeneration in Plants." 1-06 Agriculture-For-  
estry Centre.

23 March, 12:30 pm  
Oliver Kiplagat, "Problems Encountered  
in Cultivar Identification." 1-06 Agriculture-  
Forestry Centre.

25 March, 12:30 pm  
Glen Hawkins, "LEA Proteins and Seed  
Development." 1-06 Agriculture-Forestry Cen-  
tre.

30 March, 12:30 pm  
Rangu Mandyam, "The Role of Molecular  
Chaperones in Organelle Biogenesis." 1-06 Ag-  
riculture-Forestry Centre.

#### RELIGIOUS STUDIES

17 March, 4 pm  
Marsha Hewitt, "Illusions of Freedom:  
Some Regressive Implications of  
'Postmodernism'." L-1 Humanities Centre.

18 March, 7:30 pm  
Geshe Ngawang Kaldan, "Love and Com-  
passion" with a meditation on: Mahamudra  
(Sutra Tradition). Room 95, Basement, Tory  
Building. (Also sponsored by Anthropology.)

#### RURAL ECONOMY

15 March, 3:15 pm  
Nora Keating and Brenda Munro, "Stake  
in Farm and Family: A Two Generation Per-  
spective." 519 General Services Building.

29 March, 3:15 pm  
Tamantha Peters, "A Random Utility  
Analysis of Southern Alberta Sportfishing."  
519 General Services Building.

#### SECONDARY EDUCATION

24 March, 1 pm  
David Best, Birmingham Institute of  
Art and Design, "The Rationality of Feeling:  
Understanding the Arts in Education." Educa-  
tion Lounge, 10th Floor, Education South.

#### SLAVIC AND EAST EUROPEAN STUDIES

15 March, 3 pm  
Oleh Ihnytzkyj, "Cultural Turf Wars: Slavic  
Studies and the New World Order" (an invita-  
tion to a discussion). 436 Arts Building.

#### SOCIOLOGY

15 March, noon  
Dieter Haselbach, University of Victoria,  
"Cultural Transition in East Germany."  
5-15 Tory Building.

18 March, noon

David Whitson, "Professionalization of  
Sport and the Globalization of Popular Cul-  
ture." 5-15 Tory Building.

18 March, 7:30 pm

Joan McCord, Temple University, "Evalu-  
ating Crime Prevention: Constructing Win-  
Win Propositions." T1-93 Tory Building.

25 March, 1 pm

Barbara Townley, "Foucault's Relevance  
for Human Resource Management." 5-15 Tory  
Building.

#### SOIL SCIENCE

18 March, 12:30 pm  
MA Arshad, Agriculture Canada,  
Beaverlodge, "Soil Management and Cultural  
Practices for Sustained Crop Production in the  
Peace River Region." 2-36 Earth Sciences  
Building.

25 March, 12:30 pm

Leon Marciak, Conservation and Develop-  
ment, Alberta Agriculture, "Use of Land Sys-  
tems for Conservation Planning and Land De-  
velopment." 2-36 Earth Sciences Building.

#### SPEECH PATHOLOGY AND AUDIOLOGY

18 March, 3 pm  
Woodruff Starkweather, Temple Univer-  
sity, "Stuttering in the Young Child: Preven-  
tion and Early Intervention."  
2-07 Corbett Hall.

#### STATISTICS AND APPLIED PROBABILITY

15 March, 3 pm  
Joe Gani, University of California, "Some  
Examples of Epidemic Modeling." 657 CAB.  
19 March, 3 pm  
D Musmann, Institut fur Mathematische,  
Stochastik, University of Hanover, Germany,  
"Completeness and Sufficiency in Abstract  
and Concrete Experiments." 657 CAB.

#### UNIVERSITY TEACHING SERVICES

15 March, 3 pm  
Susan Shaw, "The Classroom Climate -  
A Chilly One for Some Students?" 269 CAB.  
17 March, 3 pm

Carol Morgaine, "Will They Make Ethical  
Decisions? Preparing Pre-service Students for  
the Real World of Ethical Dilemmas." 269 CAB.

18 March, 3:30 pm  
Katy Campbell-Bonar, Laurie E Bowers,  
Graham Fishburne, "Videodiscs for Enhance-  
ment of Teacher Development." 165 Education  
South.

#### WOMEN'S STUDIES


17 March, 4 pm  
Nancy Gibson, "Beyond the University:  
Immigrant Women in Edmonton." Senate  
Chamber, Arts Building.

#### ZOOLOGY

12 March, 3:30 pm  
Peter CK Leung, University of British  
Columbia, "The Regulation of Human  
Chorionic Gonadotropin Secretion *in Vitro*."  
M-149 Biological Sciences Centre.

19 March, 3:30 pm  
Don Wassom, College of Veterinary Medi-  
cine, Colorado State University, "Genetics of  
Host Susceptibility to Murine Malaria." M-149  
Biological Sciences Centre.

26 March, 3:30 pm  
Malcolm C McKenna, American Museum  
of Natural History, New York, NY, "American  
Museum of Natural History Paleontological  
Field Program in Outer Mongolia." M-149 Bio-  
logical Sciences Centre.

 This symbol denotes environmentally related  
seminars/events. If you wish to have an  
environmentally related event listed in this way,  
please contact: The Environmental Research and  
Studies Centre, 492-6659.

## EVENTS

#### EXHIBITIONS

##### EXTENSION CENTRE GALLERY

Until 26 March

"Masterful Drawings"—an exhibition of  
drawings of Edmonton artists. Gallery hours:  
Monday to Thursday, 8:30 am to 8 pm; Friday,  
8:30 am to 4:30 pm; Saturday, 9 am to noon.  
Information: 492-3034. 2-54 University Exten-  
sion Centre.

##### FAB GALLERY

Until 28 March

Karen Yurkovich/Jorge Frascara, "Italian  
Renaissance Art - A Perspective." An exhibi-  
tion dealing with the experience of selected  
Italian works of art through photographs and  
text.

Until 28 March

Walter Jule, "Selected Posters 1970-1993."  
Gallery hours: Tuesday to Friday, 10 am to 5  
pm; Sunday, 2 to 5 pm; closed Saturday, Mon-  
day and statutory holidays.

##### McMULLEN GALLERY

Until 28 April

"Human Images." Selections from the Col-  
lection of The Alberta Foundation for the Arts.  
Gallery hours: Monday to Friday, 10 am to 4  
pm; Saturday and Sunday, 1 pm to 4 pm (sub-  
ject to availability of volunteers). Information:  
492-8428 or 492-4211. Located in the Macken-  
zie Health Sciences Centre, 8440 112 Street.

##### SPECIAL COLLECTIONS LIBRARY

Until 28 May

"How Can You Take Your Little Grocer's  
Shop So Seriously?" An exhibition of books  
printed and published by Virginia and  
Leonard Woolf at the Hogarth Press.  
Bruce Peel Special Collections Library,  
B7 Rutherford South.

#### FILMS

##### GERMANIC LANGUAGES

23 March, 7:15 pm  
*Der Gläserne Himmel* (1987) German with  
English subtitles.

### YEAR-END CLOSING, 1992-93 Notice to all Departments and Account Holders Regarding the University's Fiscal Year-end

On 19 February 1993, the Comptrol-  
ler's Office circulated several memos to  
all Deans, Chairs, and Directors and cop-  
ied selected Administrative Professional  
Officers, advising of certain year-end  
procedures, requirements, and deadlines.  
All Faculty and Departmental staff af-  
fected are asked to consult their depart-  
mental administrator.

The last day of business for the 1992-  
93 fiscal year is Wednesday, 31 March.  
All business transacted up to, and includ-  
ing that date, is to be included in the  
1992-93 fiscal year. Subsequent transac-  
tions are to be charged against the next  
fiscal year, as are all transactions that  
miss the deadline specified.

Enquiries regarding cut-off proce-  
dures should be made to the Office of the  
Comptroller - General Accounting Sec-  
tion (492-4183 or 492-1980).

# POSITIONS



The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

## SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 5 March 1993. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin, the postings in PSSR and/or call the Job Information Line at 492-7205 (24 hours). Positions available as of 5 March 1993.

The salary rates for the following positions reflect adjustments in accordance with the new classification system and pay plan.

CLERK STENO (Grade 5), Faculty of Law, (\$1,891 - \$2,343)

SECRETARY (Grade 5), Office of the Dean of Science, (\$1,891 - \$2,343)

VEHICLE OPERATOR (Grade 4) (40 hour week), Physical Plant - Building Services, (\$1,979 - \$2,441)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

SENIOR FINANCIAL RECORDS CLERK/FILE CLERK (Term to 31 December 1993), Advancement Services, (\$1,597 - \$2,005)

TECHNICIAN I/TECHNOLOGIST I (Trust/Part-time/Hourly), Medicine, (\$12.16 - \$14.99/hour)

PROGRAMMER ANALYST II (Trust/Term to 1 February 1994), Computing Science (\$2,692 - \$3,497)

University residence located in southwest Edmonton. Excellent bus service to University, utilities included. All enquiries welcome, 492-7044.

SALE - Brookside, beautiful bungalow, 1,550'. Maple, hardwood floors, main floor family room, excellent basement development, double detached garage, private deck. This is very desirable. Val Cloud, Spencer Realty, 435-0808.

RENT - Furnished, three bedroom, Aspen Gardens bungalow, July 1993 - June 1994. \$950/month. Deck, double garage and six appliances. Short bus or bicycle ride to University. 492-4603, 437-1278.

RENT - Immaculate, large, two bedroom character homes, finished basements, near parks. Ten minutes downtown/University of Alberta. Ottewell, available July; historic Highlands, May; gorgeous Ada Boulevard suite available March. 477-7036.

RENT - Vancouver, furnished house, near UBC, 1 August for one year. Call 432-9195 (Edmonton).

SALE - By owner, University area condo, #105 11115 80 Avenue. Living room with separate dining, large bedroom, second bedroom/den, bay window. Storages, patio, two underground parking, six appliances, \$124,900. 439-5488.

SALE - Great Parkallen bungalow, asking \$114,900. Garage, easy access to University. Call Michele Ho Lung, Spencer Realty, 435-0808.

RENT - Two bedroom house, single garage, new paint. Fifteen minutes from HUB.

11250 84 Street. \$550 plus utilities. 479-2858 after 5 pm.

SALE - Millcreek Ravine neighbourhood, 970' bungalow. Spacious rooms, high ceilings, maple floors. Very affordable. Jean Mackenzie, Spencer Realty, 435-0808.

SALE - Large, very well-built family home. Exclusive neighbourhood, quiet location, south backyard. Jean Mackenzie, Spencer Realty, 435-0808.

RENT - University area, one bedroom. Bright, spacious, view, pool, balcony, parking. Utilities, furnished/unfurnished. 433-7165 evenings.

SALE - House with character. Groat Estates, only ten minutes to University. Two storey, 1,700', three bedrooms, hardwood floors, includes five appliances. Asking \$169,900. Call 496-9472.

RENT - Windsor Park bungalow, furnished, May-August. \$500. 433-2375.

RENT - Two bedroom, newly decorated bungalow with two more rooms in basement. Two baths, all appliances, garage. Immediate possession. Near University at Parkallen. 434-4882.

RENT - University area, large, bright, two bedroom apartment/condo. 83 Avenue 110 Street. 1 May. \$860/month includes parking, utilities, laundry. Phone 487-6989.

RENT - House in Aspen Gardens. 1 May, prefer one year. \$950, negotiable. 434-5640.

## ACCOMMODATIONS WANTED

GRANDE PRAIRIE REGIONAL COLLEGE INSTRUCTOR requires furnished ac-

commodation for spring and summer session. Will housesit or sublet. 532-5960 after 6 pm.

PHD STUDENT and family interested in housesit/rent. Nonsmoker, no pets. 438-6054. NEED A HOUSESITTER? Call 488-7846.

MATURE, UNIVERSITY EMPLOYEE available to housesit. Previous experience. Phone Joanna, 433-8668 or 492-6365.

NEED A HOUSESITTER? Reliable young couple available immediately. Nondrinkers, nonsmokers, excellent references. Contact Andrea or Robb, 438-0910.

MATURE STUDENT seeking rental/housesitting accommodation September 1993 - April 1994. Call 437-6577.

## GOODS FOR SALE

CASH PAID FOR APPLIANCES 432-0272.

## SERVICES

COMPUTERIZED LITERATURE SEARCHING - Expert information retrieval by experienced scientist. All areas. Requests accepted by phone. No red tape! Competitive rates. Satisfaction guaranteed. JL Citation Services, 487-8652.

DAVID RICHARDS CARPENTRY - Certified journeyman NAIT. Complete interior/exterior residential and commercial renovations including plumbing/electrical. References available. 436-6363.

FLY TO EUROPE - Guaranteed lowest fares plus save up to \$100. Call Newwest Travel, 432-7446.

MARK EHRMAN CABINET SERVICES - Custom designs or made to match existing. References available. 463-0889.

# ADS

## ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

SHARE - Idlewyld home with two other people. \$270/month plus utilities. Janet/Mike, Western Relocation Services, 434-4629.

RENT - Lansdowne, short term. Furnished, four bedroom bungalow, fireplace, double garage. \$800/month plus utilities. Western Relocation, 434-4629.

RENT - Riverbend, Falconer. Exclusive two storey, four bedrooms, many extras. \$1,600/month, immediate. Mike/Janet, Western Relocation Services, 434-4629.

RENT - Parkallen, near University. Two bedroom bungalow, furnished/unfurnished, single garage. Immediate. \$750/month. Janet/Mike, Western Relocation, 434-4629.

RENT - Pleasantview bungalow, inviting, new, three bedrooms. \$1,000/month. Western Relocation, 434-4629.

RENT - May-July, fully furnished, three bedroom, English-style cottage. New kitchen, dining room, hardwood polished floors. University Avenue, \$990/month. 438-7886, 492-5731.

MICHENER PARK - Two bedroom rowhouses and apartments for rent in



**Sun., March 14 at 8 pm**  
Academy Strings Concert

**Sat., March 20 at 8 pm**  
Opera Workshop Performance

**Wed., March 24 at 8 pm**  
Symphonic Wind Ensemble Concert

In Convocation Hall, Arts Bldg  
Info: Dept. of Music: 492-3263.



## Springhill

nursery school

- learn through play environment
- talented, college-trained teacher
- excellent facilities
- separate classes for ages 2, 3, and 4
- a parent-cooperative

**Open House:**  
Friday, March 19, 93  
2:30-6:00 pm

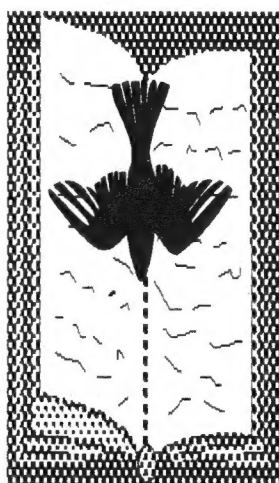
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For more information call Flora at 439-5353

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**12:30-1:30**

**Thursdays**

**158A SUB**



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Spirit in the  
Life of the  
University**

**Dorothy  
Tovell**

**March 18th**

**"Molecules and  
Metaphors in the  
making of  
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Daniel Bogert-O'Brien**

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Lecture By  
**Mr. Adama Dieng**  
Secretary-General of  
the International  
Commission of  
Jurists

Wednesday  
8:00pm  
March 24, 1993  
Law Centre (Room 237)  
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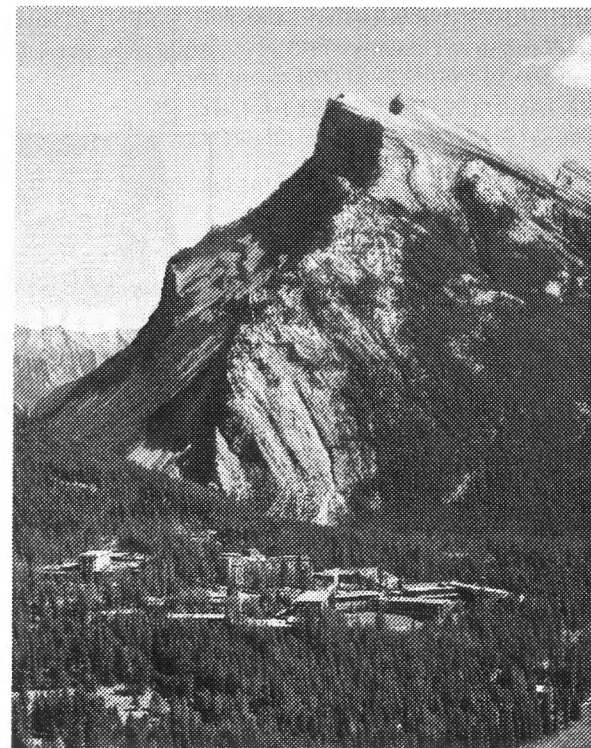
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